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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/724,322	11/28/2000	Fritz R. Paul	TSP-3.2.003/3688	6478

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EXAMINER

NGUYEN, SIMON

ART UNIT	PAPER NUMBER
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2685

DATE MAILED: 02/04/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/724,322

Applicant(s)

PAUL ET AL.

Examiner

SIMON D NGUYEN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 November 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1. Claim 14 is objected to because of the following informalities: the term " a GMS type network" should change to ...a GSM type network.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Pepe et al. (5,742,905).

Regarding claim 1, Pepe discloses integrated wireline/wireless networks for handling call between fixed terminals (#20, 22, 24, and 26) and mobile terminals (#30, 32, 34) (figs.1, 3-4), comprising: connecting the fixed terminals via fixed lines (email, fax, phone, voice mail line of fig.3) to an interface unit (#42 of fig.3) for the mobile network (#39 of fig.3, or #54 of fig.4); providing a register for storing subscriber information (#44 of figs. 3-4, column 6 lines 24-25, 42, 63, column 7 lines 3-15, column 12 line 53, column 18 lines 35-45); storing, access information specifying predefined

access types; and controlling the call handling on the basis of the stored access information (column 6 lines 1-42).

Regarding claim 11, this claim is rejected for the same reason as set forth in claim 1.

Regarding claim 2, Pepe further discloses the register is in a database in which each access is represented by an identifier and the associated subscriber information (column 6 lines 34-42, column 7 lines 3-15, figs.33, 45) and access types information includes a reference (column 18 line 62).

Regarding claim 3, Pepe further discloses a service profile, an identifier and the access type (column 6 line 34 to column 7 line 15).

Regarding claim 4, Pepe further discloses the steps of: checking by reference to the access information for terminating calls in one of multiplicity of accesses links; retrieving address information (loading profile data); and offering the connection (column 2 line 62 to column 3 –17, column 5 lines 28-67).

Regarding claim 5, Pepe discloses that when the system comprising a central database (column 6 line 62, column 7 line 32) and a local exchange carrier (#42 of fig.3) (column 2 line 10-30) wherein the subscriber's profile is stored at the central database (column 6 line 60 to column 7 line 15) and at a local PCI (#48 of fig.4, column 8 lines 20-30, and wherein a copy of the subscriber's profile (including identifiers) can be received upon a request (column 17 line 42, column 22 line 12). It should be noted that since the terminal is located in a local node, it inherently connects first to the local node (#42 of fig.3) to get an access to the system.

Regarding claim 6, Pepe discloses the steps of obtaining an access indicator associated with address from the local register; sending to the central register a query including the access indicator and a parameter indicating that there are other accesses linked to that access and retrieving the address information associated with the linked accesses from the central register (figs.4, 25-27, column 5 lines 27 to column 18).

Regarding claim 7, Pepe discloses the system using two identifiers (ID and password) (column 13 line 47), an ISDN BRI (column 27 line 20).

Regarding claims 8-9, Pepe discloses the integrated wireline/wireless system in which the mobile or fixed terminals can be accessed to each other (point-to-point) or each one can accessed to a plurality of other device (point-to-multipoint) (for example, the cellular phone 32 can access to voice mail 20, e-mail 22, fax 24, or phone 26)(figs.1, 4).

Regarding claim 10, Pepe further discloses the step of storing, extracting (retrieving) the access information from the directory database, and wherein the directory numbers are checked, validated (column 8 lines 20-30, column 15 lines 15-32, column 30 lines 22-55, column 32 line 36, fig. 31).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 12-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pepe et al. (5,742,905) in view of Waugh et al. (6,324,402).

Regarding claims 12-16, Pepe further discloses a switched node type network and a HLR (fig.1, column 2 line 13), wherein the interface unit is connected to one towards the side of the node, a subsystem for wireless communication with mobile terminals (figs.1, 3), and a VLR (column 2 lines 25-26). However, Pepe does not specifically disclose the network is a GSM and the interface unit connected to a GMSC.

Waugh discloses an integrated wireline/wireless system in which a network is a GSM (column 5 line 42), wherein the interface unit connected to a GMSC, MSC, HLR, and a VLR (column 5 line 26 to column 6 line 12). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to have Pepe, modified by Waugh in order to provide a combination of a plurality of different access services with different networks in one system.

Regarding claims 17-18, Pepe further discloses the fixed terminal is of a type of ISDN BRI (column 27 line 20) wherein the access needs two identifiers (column 13 line 47). However, Pepe does not specifically disclose the fixed terminal using two ISDN BRI channels connected to a GMSC.

Waugh discloses an integrated wireline/wireless network in which the system uses two ISDN BRI channels (B and D channels) (column 22 lines 51-67), this access is in the HLR by two linked subscriber identifiers (column 6 lines 36-57) and the interface unit is arranged to change the association between the two identifiers and the two BRI channels which connect the interface unit to the GMSC and the fixed terminal (fig.1,

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column 5 line 36 to column 6 line 57, column 8 lines 24-67). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to have Pepe, modified by Waugh to provide the system with a high data rate in order to improve the system access performance.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Roach, Jr. (5,845,211) discloses an integrated wireless/wireline communication system (fig.1) wherein the system is an ISDN/BRI, coupled between a fixed terminal (#120) and wireless terminals (# 122,124,126) (fig.1), wherein a customer profile is stored (registered) at a central office and at a local office (column 9 lines 37-58), wherein the system comprises various access (column 13 lines 39-58) and the central office access a table to determine the directory number of the baest candidate (column 20 lines 4 8).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Simon Nguyen whose telephone number is (703) 308-1116. The examiner can normally be reached on Monday-Friday from 7:00 AM to 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban, can be reached on (703) 305-4385.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 306-0377.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Or faxed to:

(703) 872-9314, (for formal communications intended for entry)

Hand-delivered response should be brought to Crystal Park II,
2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Simon Nguyen

January 27, 2004

A handwritten signature in black ink that reads "Simon Nguyen". The signature is written in a cursive, flowing style.